

CLAIMS

1. (Canceled)
2. (Canceled)
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14. (Canceled)
15. (Previously Amended) A method of operating a DC loop in a receiver unit,

comprising:

selecting a particular operating mode for the DC loop from among a plurality of possible operating modes that include an acquisition mode; and

if the selected operating mode is the acquisition mode,

operating the DC loop in the acquisition mode for a particular time duration to correct for DC offset in a desired signal, wherein the particular time duration is inversely proportional to a loop bandwidth for the DC loop for the acquisition mode, and

operating the DC loop in the acquisition mode for a particular time duration to correct for DC offset in a desired signal, wherein the particular time duration is inversely proportional to a loop bandwidth for the DC loop for the acquisition mode, and

transitioning out of the acquisition mode after the particular time duration,

the acquisition mode being selected in response to an event expected to result in a large DC offset in the desired signal, where the event corresponds to a switch to new analog circuit stages to process the desired signal.

16. (Previously Amended) A method of operating a DC loop in a receiver unit, comprising:

selecting a particular operating mode for the DC loop from among a plurality of possible operating modes that include an acquisition mode; and

if the selected operating mode is the acquisition mode,

operating the DC loop in the acquisition mode for a particular time duration to correct for DC offset in a desired signal, wherein the particular time duration is inversely proportional to a loop bandwidth for the DC loop for the acquisition mode, and

transitioning out of the acquisition mode after the particular time duration,

the acquisition mode being selected in response to an event expected to result in a large DC offset in the desired signal, where the event corresponds to application of a new DC offset value to correct for static DC offset in the desired signal.

17. (Canceled)

18. (Previously Amended) A method of operating a DC loop in a receiver unit, comprising:

selecting a particular operating mode for the DC loop from among a plurality of possible operating modes including at least an acquisition mode and a tracking mode; and

if the selected operating mode is the acquisition mode,
operating the DC loop in the acquisition mode for a particular time duration to correct for
DC offset in a desired signal, wherein the particular time duration is inversely proportional to a
loop bandwidth for the DC loop for the acquisition mode, and
transitioning out of the acquisition mode after the particular time duration, the transition
being made from the acquisition mode to the tracking mode after the particular time duration.

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